

Special Issue

New Advances in Marine Remote Sensing Applications

Message from the Guest Editors

Remote sensing data are widely utilized to assess marine environments. Water pollution caused by rapid urban development, sea level rise caused by the greenhouse effect, the melting of sea ice, storm surge, etc., have exacerbated issues induced by regional and global climate changes in the Earth sphere interactions. Remote sensing, armed with recently emerging cloud computing, machine learning and AI technologies, is expected to play an unprecedented, yet important, role in assessing marine environments. This Special Issue invites original research articles, as well as review articles that focus on ongoing efforts in using satellite or airborne remote sensing to understand the marine environment, land–ocean interactions, their response to global climate change and their interaction with human activities. The suggested topics are relevant, but not limited to, ocean data acquisition and pre-processing, data analysis and modeling, physical ocean parameters, sea level change, ocean–atmosphere interactions, coastal disasters, coastal ecosystem, water pollution, coastal (marine) engineering, coastal urbanization, as well as other coastal resilience themes.

Guest Editors

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Deadline for manuscript submissions

closed (15 May 2025)



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About the Journal

Message from the Editor-in-Chief

Journal of Marine Science and Engineering (JMSE, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

Editor-in-Chief

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